

a recording medium;

Ink Jet Print.
an ink-jet printing apparatus comprising ink containers in which a plurality of pigment inks are contained, and ink-jet heads for ejecting the respective pigment inks towards the recording medium,

Cl (amended)
wherein the recording medium is provided with an ink-receiving layer having porous structure on a base material, the ink-receiving layer comprising alumina hydrate particles and resinous binder, and having a pore volume of 0.1 to 1.0 ml/g;

wherein each of the pigment inks comprises pigment particles and a resin in an aqueous medium, and in each of the pigment inks, the diameter of the pigment particles falls within a range of from 10 to 500 nm, and the proportion of the pigment particles having a diameter of 300 to 500 nm based on the total number of pigment particles in the ink is at most 30%; and

wherein the ink-receiving layer has a thickness of at least 15 μm .

2. (Not Amended Herein) The ink-jet recording system according to Claim 1, wherein the ink-receiving layer has a BET specific surface area within a range of from 20 to 450 m^2/g .

3. (Not Amended Herein) The ink-jet recording system according to Claim 1, wherein the content of the resin in the

pigment ink is within a range of from 0.001 to 10 % by weight based on the total weight of the ink.

4. (Not Amended Herein) The ink-jet recording system according to any one of Claims 1 to 3, wherein inks of plural colors of at least cyan, magenta and yellow are used as the pigment inks.

5. (Twice Amended) An ink-jet recording method comprising the steps of:

(i) providing a recording medium provided with an ink-receiving layer having porous structure on a base material, the ink receiving layer comprising alumina hydrate particles and resinous binder, and having a pore volume of 0.1 to 1.0 ml/g and a thickness of at least 15 μm ;

(ii) providing an ink-jet recording apparatus comprising ink containers in which a plurality of pigment inks are contained, and ink-jet heads for ejecting the respective pigmented inks towards the recording medium, each of the pigment inks comprising a pigment and a resin in an aqueous medium, and in each of the pigment inks, the particle diameter of the pigment falling within a range of from 10 to 500 nm, and the proportion of the pigment particles having a particle diameter of 300 to 500

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(Canc.)
nm based on the total number of the pigment particles in the ink
being at most 30%; and

(iii) applying at least one of the pigment inks to the
recording medium.

6. (Not Amended Herein) The ink-jet recording method
according to Claim 5, wherein the ink-receiving layer has a BET
specific surface area within a range of from 20 to 450 m²/g.

7. (Not Amended Herein) The ink-jet recording method
according to Claim 5, wherein the content of the resin in the
pigment ink is within a range of from 0.001 to 10 % by weight
based on the total weight of the ink.

8. (Not Amended Herein) The ink-jet recording method
according to any one of Claims 5 to 7, wherein inks of plural
colors of at least cyan, magenta and yellow are used as the
pigment inks.

9. (Not Amended Herein) The ink-jet recording method
according to Claim 8, wherein step (iii) comprises the sub-steps
of applying the cyan ink, magenta ink and yellow ink respectively
and forming a full-color image on the recording medium.